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PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

RAIL TRAFFIC ON THE  
NOVOSIBIRSK/BOLOTNOYE SECTION  
OF THE TRANS-SIBERIAN RAILROAD



**CONTAINS SENSITIVE  
COMPARTMENTED INFORMATION**

ATA-M59-57

DOCUMENT NO. \_\_\_\_\_  
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CLASS. CHANGED TO: TS *602012*  
NEXT REVIEW DATE: \_\_\_\_\_  
AUTH. HR 70-2  
DATE: *8/20/82* REVIEWER: *06394*

29 NOVEMBER 1957

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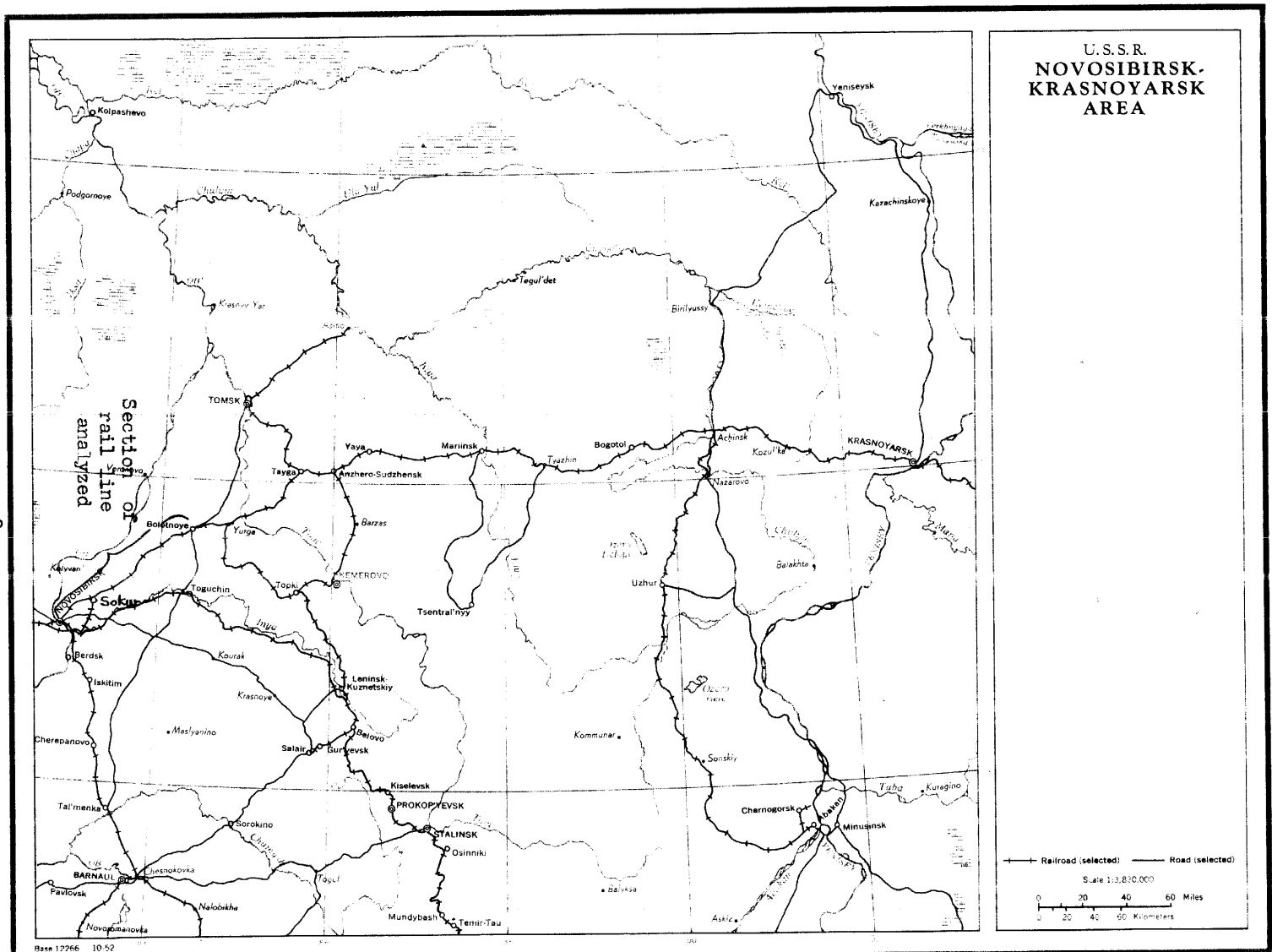
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RAIL TRAFFIC ON THE  
NOVOSIBIRSK/BOLOTNOYE SECTION  
OF THE TRANS-SIBERIAN RAILROAD

HTA/M-59/57  
29 November 1957.

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HTA/M-59/57

RAIL TRAFFIC ON THE  
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25X1D The 125 kilometer double-tracked Novosibirsk/Bolotnoye section of the Trans-Siberian railroad was photographed in one continuous flight on

This memorandum provides an analysis of the rail traffic observed on this section, excluding trains and lines of cars\* in the Novosibirsk and Bolotnoye rail yards, which will be described in forthcoming memoranda. A total of 11 westbound and 18 east bound trains (see Tables 1 and 2), and six lines of cars (see Table 3), were observed on this section section of the rail line.

This memorandum also includes rail traffic on the Novosibirsk/Sokur freight train bypass where two eastbound and two westbound trains were observed (see Table 4).

Whenever possible, the following information has been obtained: location of trains and lines of cars, speed of train, length of trains and lines of cars, number and types of cars, and the number of axles.

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\*A "Line of cars" is a string of cars without an attached engine.

Table 1. Description of 18 Eastbound Trains on the Novosibirsk/Bolotnoye section of the Trans-Siberian Railroad

Kilometers from Novosibirsk	Speed in Kilometers	Length (feet)	Approx. No. Cars	Type of Cars	Number of Axles	Type of Locomotive
11	33	1550	32	10 Gondolas 22 Box Cars	4 4	Diesel- Electric
34	Halted on siding	1350	34	1 Tank Car 2 Hoppers 7 Box Cars 4 Tank Cars 13 Hoppers 4 Box Cars 3 Gondola	2 2 2 4 4 4 4	Steam
35	Halted on siding	2500	58	4 Tank Cars 5 Hoppers 6 Box Cars 13 Tank Cars 16 Hoppers 10 Box Cars 3 Gondolas 1 Flat Car*	2 2 2 4 4 4 4 -	2 Steam
36	22	2500	63	1 Box Car 54 Hoppers 4 Gondolas 4 Flat Cars	2 4 4 4	Steam
36	Halted on siding	900	21	1 Tank Car 2 Hoppers 1 Tank Car 10 Hoppers 3 Box Cars 4 Gondolas	2 2 4 4 4 4	Steam

\*This unusual car is 170-180 feet long. It may consist of four flat cars joined together, and is possibly used for transportation of guided missiles. Observed on photos [REDACTED]

(continued)

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Table 1. Description of 18 Eastbound Trains on the Novosibirsk/Bolotnoye section of the Trans-Siberian Railroad (continued)

Kilometers from Novosibirsk	Speed in Kilometers	Length (feet)	Approx. No. Cars	Type of Cars	Number of Axles	Type of Locomotive
36	Halted on siding	1910	49	2 Tank Cars 47 Tank Cars	2	2 Steam
43	57	2150	58	45 Hoppers 3 Box Cars 10 Gondolas	4 4 4	Steam
58	48	1090	15	Passenger	4	Diesel- Electric
58	Halted on siding	1865	47	5 Hoppers 3 Box Cars 29 Hoppers 10 Box Cars	2 2 4 4	Steam
63	Halted on main line near siding	2200	57	8 Hoppers 49 Gondolas	4 4	Steam
64	Halted on main line at siding	2160	54	4 Hoppers 15 Hoppers 9 Gondolas 26 Flat Cars	2 4 4 4	Steam
74	Halted on siding	2240	53	Hoppers	4	Steam
74	Halted on siding	2435	58	55 Hoppers 3 Flat Cars	4 4	Steam
81	Halted at Oyash	1070	14	Passenger	4	Diesel- Electric
81	Halted on siding	2510	58	Hoppers	4	Steam

Table 1. Description of 18 Eastbound Trains on the Novosibirsk/Bolotnoye section of the Trans-Siberian Railroad (continued)

Kilometers from Novosibirsk	Speed in Kilometers	Length (feet)	Approx. No. Cars	Type of Cars	Number of Axles	Type of Locomotive
103	41	2200	55	Hoppers	4	Steam
118	29	2160	53	Hoppers	4	Steam
124	25	2140	<u>50</u>	Hoppers	4	<u>Steam</u>
Total			829			20



Table 2. Description of 11 Westbound Trains on the Novosibirsk/  
 Bolotnoye section of the Trans-Siberian Railroad

Kilometers to Novosibirsk	Speed in Kilometers	Length (feet)	Approx. No. Cars	Type of Cars	Number of Axles	Type of Locomotive
9	56	990	22	20 Hoppers 2 Flat Cars	4 4	Steam
35	31	1200	31	4 Tank Cars 22 Tank Cars 5 Box	2 4 4	Steam
68	20	2440	68	21 Hoppers 4 Box Cars 19 Hoppers 14 Box Cars 10 Gondolas	2 2 4 4 4	2 Steam
75	62	80	None	--	-	Steam
81	9	1280	29	22 Hoppers 7 Gondolas	4 4	Steam
81	Halted on siding at Oyash	1600	39	19 Hoppers 20 Gondolas	4 4	Steam
84	40	2160	59	5 Hoppers 51 Hoppers 3 Box Cars	2 4 4	2 Steam
89	58	80	None	--	-	Steam
100	20	1150	27	1 Tank Car 20 Hoppers 6 Gondolas	4 4 4	Steam

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Table 2, Description of 11 Westbound Trains on the Novosibirsk /  
Bolotnoye section of the Trans-Siberian Railroad (continued)

Kilometers to Novosibirsk	Speed in Kilometers	Length (feet)	Approx. No. Cars	Type of Cars	Number of Axles	Type of Locomotive
103	Halted on siding	2310	60	20 Hoppers 15 Hoppers 24 Box Cars	2 4 4	2 Steam
110	27	1750	46	28 Hoppers 18 Gondolas	4 4	Steam
Total			381			14

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Table 3. Description of Lines of Cars on the Novosibirsk/Bolotnoye of  
 the Trans-Siberian Railroad\*

Location at yard	Length (feet)	Number of cars	Type of cars	2-Axle	4-Axle
Mochishche	1290	33	Hoppers	11	18
			Flat Cars	--	4
Mochishche	630	14	Hopper	1	--
			Gondolas	--	13
Mochishche	790	19	Hoppers	4	12
			Gondolas	--	3
Mochishche	625	18	Hoppers	10	7
			Gondola	--	1
Moshkovo	2400	54	Hoppers	--	54
Moshkovo	1680	37	Hoppers	--	10
			Box Cars	--	27
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			Hoppers	26	101
			Gondolas	0	17
			Box Cars	0	27
			Flat Cars	0	4
Total		175		26	149

Table 4. Description of 2 Eastbound and 2 Westbound Trains on the Novosibirsk freight bypass rail line between Inskaya Freight Yards in the SE outskirts of Novosibirsk and the junction with the main Trans-Siberian Railroad at Sokur

Kilometers from Inskaya	Speed in Kilometers	Length (feet)	Approx. No. Cars	Type of Cars	Number of Axles	Type of Locomotive
EASTBOUND						
2	42	2100	59	56 Hoppers 3 Flat Cars *	4 4	2 Steam
25	Halted on main line at Zharebtsovo	2240	61	1 Box Car 44 Hoppers 15 Gondolas 1 Flat Car	2 4 4 4	2 Steam
WESTBOUND						
1	Halted on siding	1100	37	9 Hoppers 25 Hoppers 3 Gondolas	2 4 4	Steam
25	13	2100	48	1 Box Car 18 Hoppers 20 Box Cars 9 Gondolas	2 4 4 4	2 Steam
Total			205			7

\*One of these cars is 120-130 feet long. It may consist of three flat cars joined together and is possibly used for transportation of guided missiles. Observed on photos

(continued)

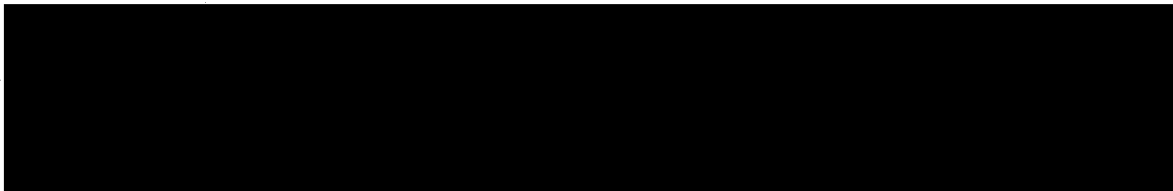
Table 5. Summary of Rail Cars in Trains on the Novosibirsk/Bolotnoye section of the Trans-Siberian Railroad, including the Novosibirsk/Sokur Freight Bypass

<u>Type</u>	<u>No. of Axles</u>	<u>Westbound</u>	<u>Eastbound</u>	<u>Total</u>
Hoppers	4	237	614	851
Hoppers	2	55	18	73
Total		292	632	924
Box Cars	4	66	52	118
Box Cars	2	6	18	24
Total		72	70	142
Gondolas	4	73	107	180
Gondolas	2	0	0	0
Total		73	107	180
Tank Cars	4	23	65	88
Tank Cars	2	4	8	12
Total		27	73	100
Flat Cars	4	2	38*	40
Flat Cars	2	0	0	0
Total		2	38	40
Passenger	4	0	29	29
Total		466	949	1415

\*Includes the two unusual type flat cars, possibly used for transportation of guided missiles.

**REQUIREMENT:** Prepared in answer to RR/HTA/E/R69/57 re-  
questing an analysis of the rail traffic on the Novosibirsk/Bolotnoye  
section of the Trans-Siberian Railroad.

**PHOTO DATA:**



**REFERENCES:**

WAC: 162

ATMP: 0162-9998-100A. 3rd Ed., Jan 1957  
0162-9998-250. 2nd Ed., Apr 1956

**COORDINATES:** 55°02'N 82°56'E (Novosibirsk) to  
55°40'N 84°23'E (Bolotnoye).

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